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Docket No.: 01780/100G910-US3  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
David P. MacADAM et al.

Application No.: 10/618,441

Confirmation No.: 4207

Filed: July 11, 2003

Art Unit: 3762

For: METHODS FOR PROCESSING  
ELECTROCARDIAC SIGNALS HAVING  
SUPERIMPOSED COMPLEXES

Examiner: George C. MANUEL

**SECOND SUPPLEMENTAL RESPONSE**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the Office Action mailed July 12, 2004.

**Amendments to Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.